Identification reference	Date of Deposit	Registration numbers
PvMSP1p19A	February 1, 1996	I-1659
PvMSP1p19S	February 1, 1996	I-1660
PfMSP1p19A	February 1, 1996	I-1661
PfMSP1p19S	February 1, 1996	I-1662
PcMSP1p19S	February 1, 1996	I-1663
G17-20 Hybridoma	February 14, 1997	I-1846

IN THE CLAIMS

Please amend the claims as follows:

46. (Amended) A baculovirus vector comprising a promoter, a synthetic polynucleotide encoding a 19 kilodalton C-terminal fragment of a *Plasmodium falciparum* MSP-1 protein; and wherein said synthetic polynucleotide has a GC content of 40 to 60% and a polynucleotide encoding a signal peptide wherein said signal peptide is from an MSP-1 protein.

47. (Amended) The baculovirus vector of Claim 46, wherein said synthetic polynucleotide is SEQ ID NO:1.

49. (Amended) The baculovirus vector of Claim 48, wherein said glycosylphosphatidylinositol coding sequence is from a CD59 or CD14 gene.

51. (Amended) The baculovirus vector of Claim 46, wherein said synthetic polynucleotide and said polynucleotide encoding a signal peptide comprises SEQ ID NO:7.

52. (Amended) The baculovirus vector of Claim 51, wherein said synthetic polynucleotide is SEQ ID NO:9.

53. (Amended) The baculovirus vector of Claim 46, wherein said synthetic polynucleotide further comprises a polynucleotide encoding a *Plasmodium vivax* Duffy binding protein or a *Plasmodium falciparum* EBA-175 protein.

Please cancel Claim 54.

55. (Amended) A baculovirus vector selected from the group consisting of PfMSP1p19A, PfMSP1p19S, and PcMSP1p19S.

56. (Amended) A synthetic polynucleotide comprising a gene encoding a 19 kilodalton C-terminal fragment of a *Plasmodium* MSP-1 polypeptide; wherein said polynucleotide has a total GC content of 40 to 60%.

59. (Amended) The synthetic polynucleotide of Claim 56, wherein said glycosylphosphatidylinositol coding sequence is from a CD59 or CD14 gene.

62. (Amended) The synthetic polynucleotide of Claim 56, wherein said synthetic polynucleotide is SEQ ID NO:9.

63. The synthetic polynucleotide of Claim 56, wherein said synthetic polynucleotide further comprises a polynucleotide encoding a *Plasmodium vivax* Duffy binding protein or a *Plasmodium falciparum* EBA-175 protein.

Please cancel Claim 64.

Please add the following claims:

65. (New) A baculovirus vector comprising a promoter, a synthetic polynucleotide encoding a 19 kildalton C-terminal fragment of *Plasmodium falciparum* MSP-1 protein having a GC content of between 40% to 60% and a signal sequence from *Plasmodium vivax*.

66. (New) The baculovirus vector of Claim 65, wherein said synthetic polynucleotide sequence further comprises a glycosylphosphatidylinositol coding sequence.